

| WORK TEACHERS DO RUBRIC | (5) | (3) | (1) |
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| INSTRUCTIONAL MODEL The curriculum's instructional model is described in the teacher's materials and supports teachers to implement the model to organize and sequence learning experiences. Effective instructional models provide opportunities for students to: <ul style="list-style-type: none"> Engage with a scientific question, event, or phenomenon, Explore and create their own explanations, Connect their ideas to scientific explanations, Extend, apply and evaluate what they have learned. | The materials frequently guide teachers in using an instructional model to organize and sequence learning experiences. | The materials occasionally guide teachers in using an instructional model to organize and sequence learning experiences. | The materials rarely guide teachers in using an instructional model to organize and sequence learning experiences. |
| EFFECTIVE TEACHING STRATEGIES Instructional materials support teacher's use of effective teaching strategies that prompt students to: <ul style="list-style-type: none"> Communicate and represent ideas in a variety of ways; Use journals/science notebooks or write in authentic ways; Learn in cooperative groups; Provide feedback to their peers and reflect on their own learning; Access prior knowledge and make connections to ideas using cues, questions, and graphic organizers. | The materials suggest many effective teaching strategies. | The materials suggest some effective teaching strategies. | The materials suggest few effective teaching strategies. |
| TEACHING STRATEGIES FOR INQUIRY Instructional materials are designed to support teacher's use of teaching strategies for inquiry including: <ul style="list-style-type: none"> Focusing and supporting inquiries while interacting with students, Orchestrating discourse among students about scientific ideas, Encouraging and modeling: <ul style="list-style-type: none"> the skills of scientific inquiry, curiosity about science, openness to new ideas and data, legitimate skepticism about scientific ideas and evidence. | The materials suggest many teaching strategies for inquiry. | The materials suggest some teaching strategies for inquiry. | The materials suggest few teaching strategies for inquiry. |
| SUPPORT FOR THE WORK TEACHERS DO Instructional materials support the work teachers do by providing: <ul style="list-style-type: none"> Pertinent content background information, Examples of typical student conceptions, Explanations of specific instructional models and teaching strategies to improve student understanding (see above), Resources to assist and enhance instruction (e.g., transparencies, test bank, videos, CDs, software, online website and/or resources), A list of material and equipment needs including information about maintenance and safe use, Technical support for the use of equipment, multi-media, and technology resources. | Materials provide comprehensive support to help inform and enhance instruction. | Materials provide some support to help inform and enhance instruction. | Materials provide little support to help inform and enhance instruction. |

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